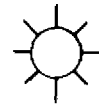
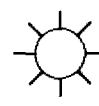


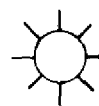
A  
NORTH



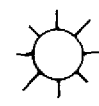
HARVEY E. YATES CO.  
#1 HEYCO BETHENBOUGH  
SEC. 32, T-13-S, R-36-E



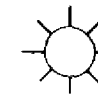
HARVEY E. YATES  
RICHARDSON #1  
SEC. 5, T-14-S, R-36-E



YATES PET. CORP.  
BARBEE "LL" #1  
SEC. 18, T-14-S, R-36-E

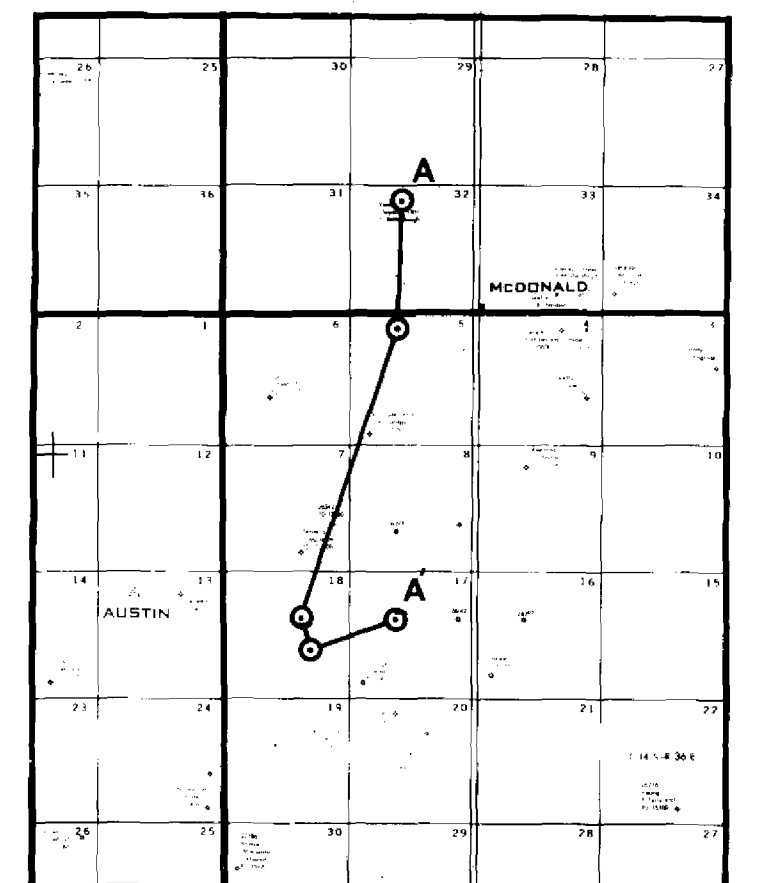
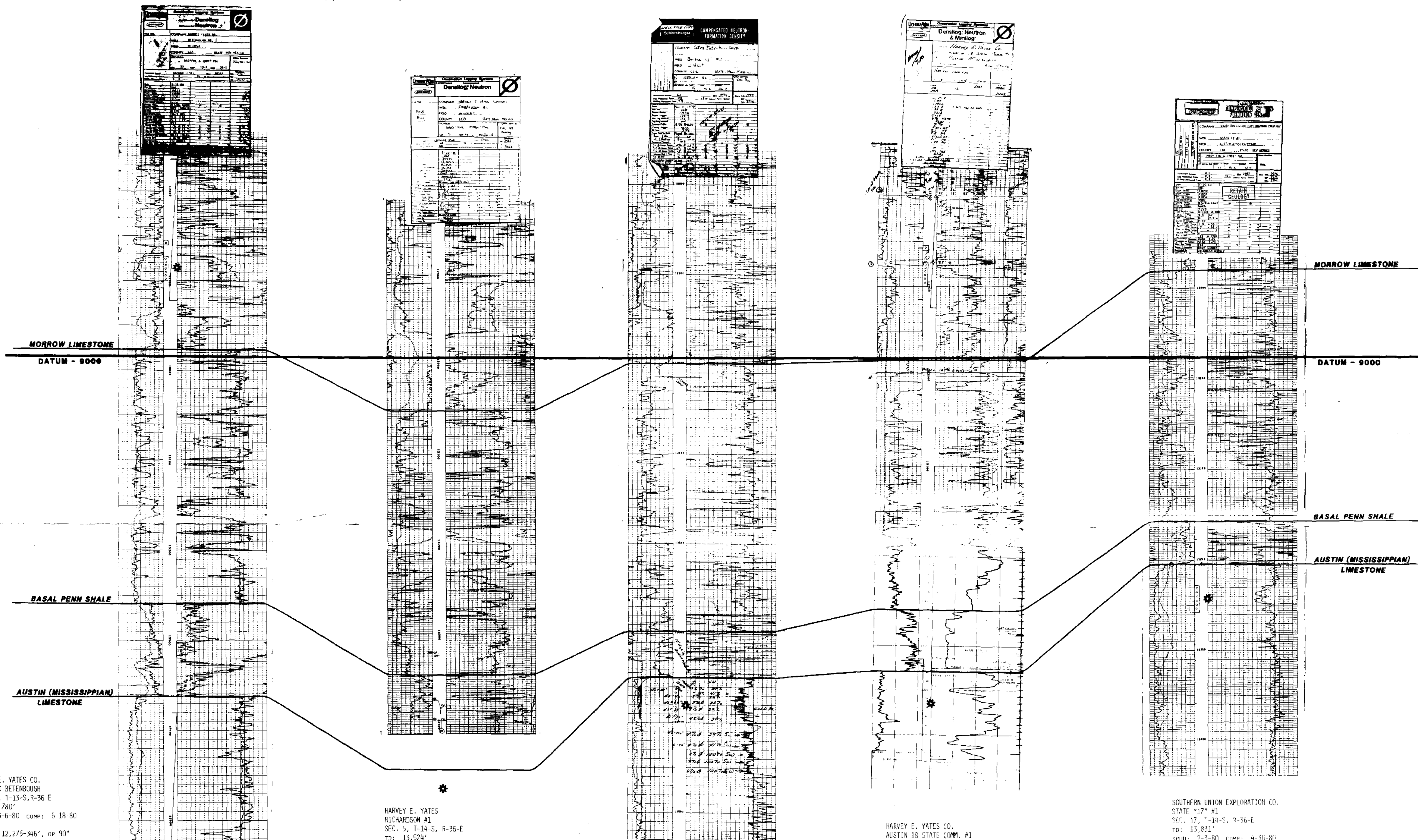


HARVEY E. YATES CO.  
AUSTIN 18 STATE COMM. #1  
SEC. 18, T-14-S, R-36-E



SOUTHERN UNION EXPLORATION CO.  
STATE "17" #1  
SEC. 17, T-14-S, R-36-E

A'  
SOUTH



HARVEY E. YATES CO.  
#1 HEYCO BETHENBOUGH  
SEC. 32, T-13-S, R-36-E  
TD: 14,780'  
SPUD: 3-6-80 COMP: 6-18-80

DST #1 12,275-346', OP 90°  
REC 558' GCM WTR DIST  
(SPL REC. 15 CFTG + 400 CC'S  
OF WTR DIST 9 1000', 90° ISIP  
3878', HP 5799-5799', BHT 174°F  
DST #2 12,744-922', OP 90°  
REC 900' GCM (SPL REC. 1.2 CFTG +  
1000 CC'S GCM 8 1000' ISIP  
4009', HP 5799-5799', BHT 174°F  
DST #3 13,381-550', OP 150°, REC  
9' OF SPL REC 1400 CC'S OF WTR  
8 1000' 120° ISIP 3518', HP 2180-88,  
180° 120° ISIP 3518', HP 2180-88, 180°  
ISIP 1758', HP 6650-6586', BHT 194°F

PERFS: 12,875-900; 12,855-860  
W/1000 GAL 75% MS ACID.  
12,657-42 W/500 GAL 75% MS ACID,  
12,315-331 W/1000 GAL 75% MS  
ACID. IPE: 852 MCF/D.

HARVEY E. YATES  
RICHARDSON #1  
SEC. 5, T-14-S, R-36-E  
TD: 13,524'  
SPUD: 11-4-81

DRILLED AUSTIN MISSISSIPPIAN OPEN HOLE  
TO 13,524' IN AUSTIN MISSISSIPPIAN. LOGGING  
ATTEMPT FAILED. OPEN HOLE COMPLETION  
SITP 4100 PSI, FLOWED 3.211 MFC/D  
1/8" CK, FFP 500 PSI, PROD. INT. 13,450-524'  
PRESENTLY ST.

YATES PET. CORP.  
BARBEE "LL" #1  
SEC. 18, T-14-S, R-36-E  
TD: 13,930'  
SPUD: 9-1-79 COMP: 11-29-79

PROD INT. 13,360-398'  
IPE: 1,075,000 CF/D 1/8" CK.  
DST #1 10,960-11,130', PMS FAILED  
DST #2 10,960-11,175', OP 90°  
R/1200', GCM 90°/3157', HP 1194-  
1328, 180°/2759'  
DST #3 11,500-564', OP 90° R/520'  
PROD. 30°/4637', HP 255-391, 180°/  
4282 PP 152/13,960-398, COMP. NAT'L

HARVEY E. YATES CO.  
AUSTIN 18 STATE COMM. #1  
SEC. 18, T-14-S, R-36-E  
TD: 13,428'  
SPUD: 9-26-81 COMP: 12-8-81

PROD. INT.: (MISS) 13,315-13,428'  
OPEN HOLE  
IPE: CAOF 4.1306 MM, GR .673

SOUTHERN UNION EXPLORATION CO.  
STATE "17" #1  
SEC. 17, T-14-S, R-36-E  
TD: 13,831'  
SPUD: 2-3-80 COMP: 4-30-80

PROD. INT. MISS. 13,228-258'  
CAOF: 8,359,000 CF/D  
DST #1 11,590-642', 1500' WTR BLKT  
OP 105°, REC W/1000 CC GCM 124'  
DST #2 12,000 CC GCM 60°/  
4622, HP 747-756, 120°/4642, HP  
5471-5449

BEFORE EXAMINER *Richard Shumets*  
OIL CONSERVATION DIVISION  
Applicants *5*  
7567  
SUBMITTED BY *HEYCO*  
HEARING DATE *5-12-82*

HARVEY E. YATES COMPANY  
ROSWELL, NEW MEXICO  
AUSTIN-MISSISSIPPIAN PROSPECT  
WEST McDONALD AREA  
LEA COUNTY, NEW MEXICO  
N-S STRUCTURAL CROSS-SECTION  
D. THOMPSON D. THOMPSON MARCH, 1982